

RESPONSE UNDER 37 C.F.R. § 1.116
EXPEDITED PROCEDURE – Art Unit 1651
Attorney Docket No. 64367.8001.US01

AMENDMENTS TO THE CLAIMS

1-13. (canceled)

14. (currently amended) A method of providing nutrition to a subject comprising providing the subject with a non-human meat product produced by the following steps:

culturing non-human muscle cells *ex vivo*;

seeding the non-human muscle cells onto a support structure; and

growing the non-human muscle cells to produce said non-human meat product, wherein said non-human meat product is suitable for consumption, and wherein said subject consumes said non-human meat product to obtain nutrition therefrom.

218. The method in claim 14 further comprising the step:

exposing the non-human muscle cells to an electric or oscillating current.

3 17. (previously amended) The method in claim 14 further comprising the step:

adding nutrients to be incorporated into the non-human meat products.

4 18. (previously amended) The method in claim 14 wherein the non-human muscle cells are derived from animals selected from the group consisting of mammals, birds, fishes, invertebrates, reptiles, and amphibians.

5 19. (previously amended) The method in claim 14 wherein the non-human meat product is substantially free from harmful microbial contamination.

20-23. (canceled)

6 24. (previously added) The method in claim 14 wherein the non-human muscle cells are skeletal muscle cells.

7 25. (previously added) The method in claim 14 wherein the non-human muscle cells are derived from pluripotent or totipotent non-human stem cells.

8 26. (previously added) The method of claim 14 further comprising the step:
seeding non-human fat cells onto said support structure,

wherein said non-human fat cells grow in conjunction with said non-human muscle cells to produce said non-human meat product.

9 27. (previously added) The method of claim 26 wherein said non-human fat cells are derived from pluripotent or totipotent non-human stem cells.

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28. (previously added) The method of claim ⁷~~14~~ further comprising the step:
seeding non-human cartilage cells onto said support structure,

wherein said non-human cartilage cells grow in conjunction with said non-human
muscle cells to produce said non-human meat product.

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28. (previously added) The method of claim ¹⁰~~28~~ wherein said non-human
cartilage cells are derived from pluripotent or totipotent non-human stem cells.